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The block diagram illustrates a computer system 10 with the following components and connections:

- System Headers:** A **20 Way Header** (111) and a **6 Way Header** (117) are connected to the system bus 11.
- Power and Storage:** A **Battery 3.6V 80mAH** (115) is connected to a **PSU** (110). The PSU provides **+5V Batt** and is controlled by **PSU On**, **AC Fail**, and **Shutdown** signals. A **1 wire serial** line connects the PSU to the microcontroller.
- Microcontroller (16):** The central processing unit, which interfaces with:
 - Buffers** and **EEPROM and RTC or iBUTTON** (19) via a **1 Wire Serial** line.
 - COM1**, **COM2**, and **COM3** ports.
 - Alarm** and **Reset** signals.
 - 12C** and **Alarm Out Interlock** signals.
 - DIO (16 Lines)** for data input/output.
 - Serial Interface** to the RS232 Trans.
 - M/B Reset** and **M/B On** signals to the M/B controller.
- Memory and I/O:**
 - Local Bus** (12) and **RS232 Trans.** (14) are connected to the system bus 11.
 - COM3**, **COM4**, and **COM5** ports are connected to the RS232 Trans.
 - Tri LED** (13) is connected to the system bus 11.
 - Speaker Out** and **Line in** (112) are connected to the system bus 11.
- Other Components:**
 - COM1**, **COM2**, and **COM3** are connected to the microcontroller.
 - Alarm** and **Reset** signals are connected to the microcontroller.
 - 12C** and **Alarm Out Interlock** signals are connected to the microcontroller.
 - DIO (16 Lines)** are connected to the microcontroller.
 - Serial Interface** is connected to the microcontroller.
 - M/B Reset** and **M/B On** signals are connected to the microcontroller.
 - Local Bus** (12) is connected to the microcontroller.
 - RS232 Trans.** (14) is connected to the microcontroller.
 - COM3**, **COM4**, and **COM5** are connected to the RS232 Trans.
 - Tri LED** (13) is connected to the microcontroller.
 - Speaker Out** and **Line in** (112) are connected to the microcontroller.

(57) Abstract: A control module (10) and socket server architecture that occupies one expansion slot on a PC motherboard providing several functions and ports needed for embedding a motherboard in a kiosk application environment. The control module includes a motherboard bus connector (11), a motherboard bus to serial port bridge module (12), at least one serial port connector (13) and a processor module (16).

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